



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G02F 1/133, B41J 2/01, B29C 67/00, G09F 9/00, G04B 47/00, G09F 9/37		A1	(11) International Publication Number: WO 98/03896 (43) International Publication Date: 29 January 1998 (29.01.98)
(21) International Application Number: PCT/US96/13469 (22) International Filing Date: 20 August 1996 (20.08.96) (30) Priority Data: 60/022,222 19 July 1996 (19.07.96) US (60) Parent Application or Grant (63) Related by Continuation US Filed on 60/022,222 (CIP) 19 July 1996 (19.07.96)		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>	
(71)(72) Applicant and Inventor: JACOBSON, Joseph, M. [US/US]; Apartment 1, 31 Linnaean Street, Cambridge, MA 02138 (US). (74) Agents: SMITH, James, M. et al.; Hamilton, Brook, Smith & Reynolds, Two Militia Drive, Lexington, MA 02173 (US).			

(54) Title: ELECTRONICALLY ADDRESSABLE MICROENCAPSULATED INK AND DISPLAY THEREOF

(57) Abstract

We describe a system of electronically active inks which may include electronically addressable contrast media, conductors, insulators, resistors, semiconductive materials, magnetic materials or spin materials. We further describe a printing system capable of laying down said materials in a definite pattern. Such a system may be used for instance to print a flat panel display complete with onboard drive logic or to print a working logic circuit onto any of a large class of substrates.

